

Bridge Inspection											
Bridge File Number	81814 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1993/1993				Lot No.	2					
Bridge or Town Name	LODGEPOLE				Inspector Name	Wade Nanninga					
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS B					
Located On	753:02 C1 7.927				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	24-Jan-2011					
Legal Land Location	SE SEC 23 TWP 48 RGE 10 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-115:20:57, 53:09:14				Data Entry Date	01-Mar-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA11				Review Date	14-Feb-2011					
Clear Roadway/Skew	16.4 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	510 / 2009 (A)				Dept. Review Date	02-Mar-2011					
Road Classification	RCU-210-110				Follow-Up By						
Detour Length (km)	2										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	CS750									----> Primary Span	

Posting Information										
Required Vert. Clearance Posting (m)										
Posted Vertical Clearance (Y/N)										No
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)	In Advance (Y/N)
Remarks		Not required.								
Required Load Posting (t)			Single		Semi		Truck Train			
Posted Loading (t)			Single		Semi		Truck Train			
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Remarks		Not required.								
Hazard Marker At Bridge (Y/N)		No								
Remarks		Not required.								
Other Sign Types										

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road										
			Last	Now	Explanation of Condition					
Horizontal Alignment			8	8	Passing lane NB. Bridge on uphill grade to North.					
Vertical Alignment			7	7						
Roadway Width (m)		13.400								
Approach Bump			7	5						
Guardrail (Y/N)		Yes			Insufficient length, not thrie beam type - photo.					
Guardrail			8	8						
Length (m)		30.400								
Current Standard (Y/N)		No								
Termination Type		Turned Down								

Approach Road					
			Last	Now	Explanation of Condition
Drainage			N	4	(Scour behind NW & NE wingwalls. Approx 5m long, ~400 x 400mm. 16/Sept/2004) Snow covered. Hole/gap @ NW corner between girder end & backwall - photo.
Approach Road General Rating			7	7	
Superstructure					
Bridge Component			Last	Now	Explanation of Condition
(Primary Span : SC, 1 Spans, Lengths(m): 6, A-Ident Number:)					
Special Features					
Special Feature				X	
(Type :)					
Special Feature				X	
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered gutters.
Last	5				
Now	10.0	0.0	0.0	0.0	
Wearing Surface			7	5	ACP cracked over joint, typical both ends.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over
Bump (Y/N)			No		
Deck Drainage			8	8	On grade, drains to South.
Drains Clogged (Y/N)			No		
Curbs/Median			N	N	Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)			0		
Bridge Rail			8	8	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			N	N	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			8	8	
Last Complete Inspection Date			24-Jan-2011		
Cracking (Y/N)			No		
Spalling (Percent Area)			0		
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 15)					

Superstructure						
Bridge Component		Last		Now		Explanation of Condition
(Primary Span : SC, 1 Spans, Lengths(m): 6, A-Ident Number:)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating			8	8		
Substructure						
Bridge Component		Last		Now		Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						TT ext piles, all have wide check/split.
(Extended Backwall Piles Spacing(mm) : 2000)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Some stiffeners not centered over pile.
Last						
Now						
Bearing Seats/Caps/Corbels			7	6		
(Type : STEEL)						
(Depth(mm) : 310)						
(Width(mm) : 310)						
Backwalls/Breastwalls			4	4	Sheathing @ SW pushed back behind cap, fill spilling through - photo.	
Greatest Height (m)		4.20				
Wingwalls			4	4	SW wingwall top plank dislodged - photo. All wingwalls strained due to height of backwall(all have moved in 150 - 175mm.	
(Total Number of Bearing Piles : 11:11)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles			7	7		
Paint/Coating			6	6	Rust stain along edge of top flange. Caps/piles painted green.	
Abutment Stability			5	5	H-piles slightly bowed by backwall pressure.	
Scour/Erosion			X	8		
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels			X	X		
(Type :)						
(Depth(mm) :)						
(Width(mm) :)						

Substructure							
Bridge Component					Last	Now	Explanation of Condition
(Total Number of Bearing Piles :)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Pier Shaft/Piles					X	X	
Greatest Height (m)							
Bracing/Struts/Sheathing					X	8	
Nose Plate					X	X	
Paint/Coating					X	X	
(Colour Description :)							
(Colour Code :)							
Pier Stability					X	X	
Scour					X	X	
Debris (Y/N)		No					
Substructure General Rating					5	5	

Structure Usage							
					Last	Now	Explanation of Condition
Grade Separation							
Road Alignment					8	8	
Traffic Safety Features					X	X	
Type							
Slope Protection					X	8	
(Type : NATURAL)							
Bank Stability					7	7	
Drainage					8	8	
Grade Separation General Rating					7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2011	Seal transverse crack in ACP over joints.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	69.7/69.6	Est. Repl. Yr	2042	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor wingwall scour. atch SW backwall for loss of fill behind cap.		Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Dave Lam		Previous Assistant's Name				
Next Inspection Date	24-Apr-2014		Previous Inspection Date	17-Dec-2007			
Inspection Cycle (Default) (months)	39						
Comment							